

Datasheet for ABIN7320171

SDC4 Protein (Fc Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SDC4
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SDC4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Syndecan-4/SDC4 Protein (Fc Tag)(Active)
Sequence:	Met1-Val146
Characteristics:	A DNA sequence encoding the mouse SDC4 (O35988)(Met1-Val146) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human MDK at 10 µg/ml (100 µl/well) can bind mouse SDC4-Fc with a linear range of 0.16-1.25 µg/ml.

Target Details

Target:	SDC4
---------	------

Target Details

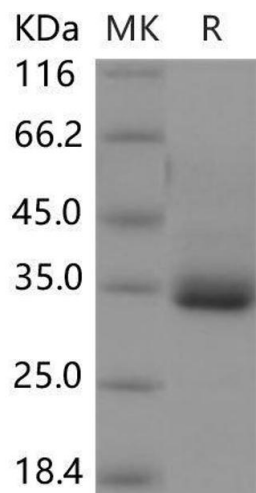
Alternative Name:	Syndecan-4/SDC4 (SDC4 Products)
Background:	<p>Background: SDC4 (Syndecan-4), also known as Syn4, is a transmembrane heparan sulfate proteoglycan that co-operates with integrins during cell-matrix interactions for the assembly of focal adhesions and actin stress fibers and in the phosphorylation of focal adhesion kinase (FAK) on Tyr397. Syndecan-4 plays roles in the formation of focal adhesions and stress fibers. The cytoplasmic domain of syndecan-4 interacts with a number of signalling and structural proteins, and both extracellular and cytoplasmic domains are necessary for regulated activation of associated transmembrane receptors. Syndecan-4/SDC4 is a heparan sulfate proteoglycan and works as a coreceptor for various growth factors. SDC4 deficiency limits neointimal formation after vascular injury by regulating vascular smooth muscle cells (VSMCs) proliferation and vascular progenitor cells (VPCs) mobilization. Therefore, SDC4 may be a novel therapeutic target for preventing arterial restenosis after angioplasty.</p> <p>Synonym: AA959608,AW108331,ryudocan,Synd4,syndecan-4,SDC4,SYND4,Ryudocan core protein</p>
Molecular Weight:	40.5 kDa
UniProt:	O35988
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.